Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/19/2018 12:15 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/31/2018 01:04 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124726	-1	2.19	124832	2.14
Blue	F	SSC	125000	123247	-2	3.95	124126	3.85
Blue	E	FITC	15492	15133	-3	3.83	350	21.63
Blue	D	PE	28736	28105	-3	3.22	620	15.8
Blue	B	PerCP-Cy5-5	41413	41031	-1	4.6	1127	22.54
Blue	A	PE-Cy7	31321	31719	1	6.99	577	46.33
Red	C	APC	41673	40740	-3	2.94	1575	13.52
Red	A	APC-Cy7	29962	29555	-2	2.87	741	14.01
Violet	B	V450	8318	7861	-6	4.78	436	14.53
Violet	A	V500	34199	32994	-4	4.57	796	11.23

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20303	3.53	604	-9	N/A	N/A	Pass
Blue	F	SSC	55578	3.44	571	3	N/A	N/A	Pass
Blue	E	FITC	58	76.03	554	-7	0.0172	251	Pass
Blue	D	PE	123	57.86	553	-7	0.1586	374	Pass
Blue	B	PerCP-Cy5-5	208	55.46	658	-9	0.0077	72	Pass
Blue	A	PE-Cy7	112	116.63	715	-7	0.0096	28	Pass
Red	C	APC	359	28.86	601	0	0.0186	116	Pass
Red	A	APC-Cy7	183	31.21	577	1	0.0046	914	Pass
Violet	B	V450	65	71.66	473	-4	0.0523	3107	Pass
Violet	A	V500	113	38.86	491	-3	0.0207	1120	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.76	-32.36	1.10
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.50
Red	17.25	13.60 - 20.40	N/A	N/A	29.70	30.02	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10267

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments